

**DECLARATION FOR PATENT APPLICATION  
AND POWER OF ATTORNEY**

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below adjacent to my name.

I believe I am the original, first and sole inventor of subject matter (process, machine, manufacture, or composition of matter, or an improvement thereof) which is claimed and for which a patent is sought by way of the application entitled

**Permanent Readout Superconducting Qubit**

which (check) ☐ is attached hereto.  
☐ and is amended by the Preliminary Amendment attached hereto.  
☒ was filed on December 1, 1999 as Application Serial No. 09/452,749  
☐ and was amended on \_\_\_\_ (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information, which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56.

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the United States Patent and Trademark Office connected therewith:

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The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 19-2386.

It is hereby respectfully submitted that the enclosed documents complete the filing of the above patent application and justify the filing date of December 1, 1999. Please telephone the undersigned at (408) 453-9200, if there are any questions. This form is being submitted in duplicate.

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: Assistant Commissioner For Patents, Washington, D.C. 20231, on January 20, 2000.

*David Miller*

Attorney for Applicant

*1-20-00*

Date of Signature

Respectfully submitted,

*David Miller*

David T. Millers  
Attorney for Applicant  
Reg. No. 37,396

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Zagoskin, Alexandre  
Assignee: D-Wave Systems Inc.  
Title: PERMANENT READOUT SUPERCONDUCTING QUBIT  
Serial No.: 09/452,749 Filed: December 1, 1999  
Examiner: To Be Assigned Group Art Unit: Unknown  
Docket No.: M-7971 US

ASSISTANT COMMISSIONER FOR PATENTS  
Washington, D. C. 20231

**VERIFIED STATEMENT CLAIMING SMALL ENTITY STATUS  
(37 CFR 1.9(F) & 1.27(C)) -- SMALL BUSINESS CONCERN**

Dear Sir:

I declare that I am an official empowered to act on behalf of the concern identified above as assignee.

Exclusive rights to the above invention as described in

☐ the specification filed herewith,

☒ U.S. patent application Serial No. 09/452,749, filed on December 1, 1999

have been conveyed to and remain with the above concern.

For purposes of paying reduced fees under Section 41 of Title 35 of the United States Code with regard to this invention, I declare that the above concern qualifies as a small business concern as defined in 37 CFR 1.9(d) and 13 CFR 121, and more particularly 13 CFR 121.802, namely, (a) the concern's number of employees, including those of its affiliates, does not exceed 500 persons, and (b) the concern has not assigned, granted, conveyed, or licensed, and is under no obligation to assign, grant, convey, or license, any rights in the invention to any person who made it and could not be classified as an independent inventor under 37 CFR 1.9(c), or to any concern which would not qualify as a nonprofit organization under 37 CFR 1.9(e) or a small business concern under 37 CFR 121.802.

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I declare that all statements made herein of my own knowledge are true, all statements made herein on information and belief are believed to be true, and all statements made herein are made with the knowledge that whoever, in any matter within the jurisdiction of the Patent and Trademark Office, knowingly and willfully falsifies, conceals, or covers up by any trick, scheme, or device a material fact, or makes any false, fictitious or fraudulent statements or representations, or makes or uses any false writing or document knowing the same to contain any false, fictitious or fraudulent statement or entry, shall be subject to the penalties including fine or imprisonment or both as set forth under 18 U.S.C. 1001, and that violations of this paragraph may jeopardize the validity of the application or this document, or the validity or enforceability of any patent, trademark registration, or certificate resulting therefrom.

Full name of sole inventor:

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Inventor's Signature:

Date:

5 Jan 2000

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